bizhub PRESS C7000/C6000
INSTALLATION MANUAL

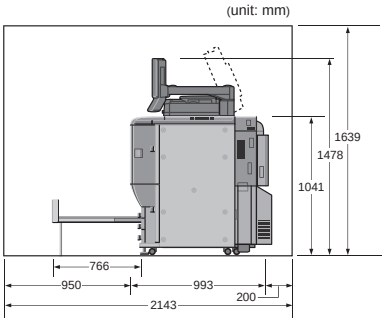
KONICA MINOLTA
BUSINESS TECHNOLOGIES, INC.

Applied Machine: bizhub PRESS C7000/C6000

<Important>
Be sure to correctly follow the procedures in order as explained in this Installation Manual.
If you do not follow the procedure in order, the image trouble may occur.

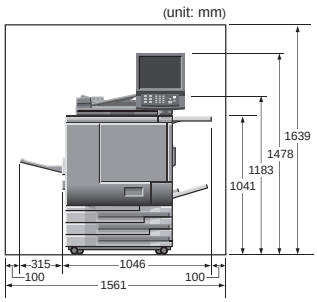
I. Installation space (Machine combination examples)

(unit: mm)



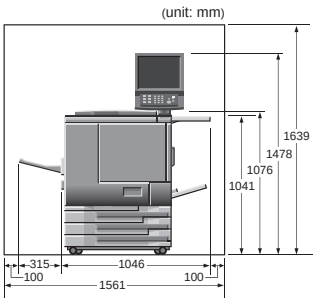
SD-506 + RU-509 + Machine + PF-602

(unit: mm)



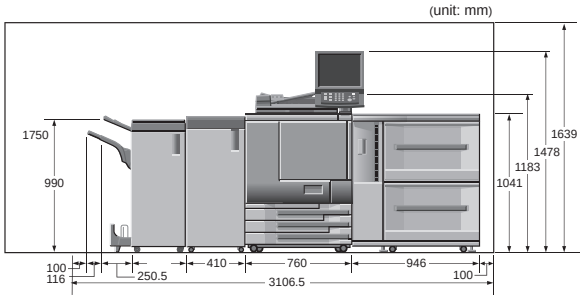
OT-502 + Machine + DF-622 + MB-504

(unit: mm)



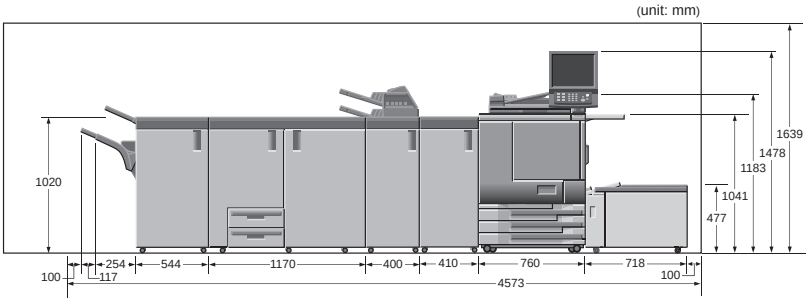
OT-502 + Machine + OC-506 + MB-504

(unit: mm)



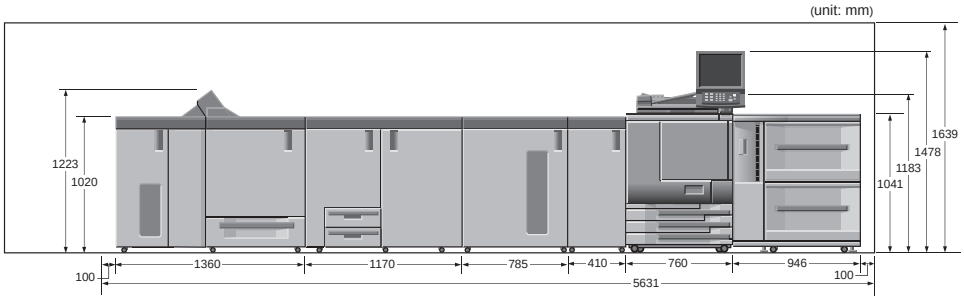
FS-612 + RU-509 + Machine + DF-622 + PF-602

(unit: mm)



FS-521 + SD-506 + FD-503 + RU-509 + Machine + DF-622 + LU-202

(unit: mm)



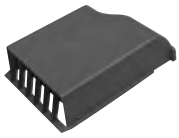
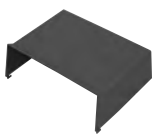
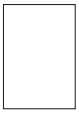
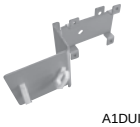
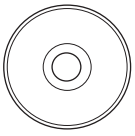
PB-503 + SD-506 + LS-505 + RU-509 + Machine + DF-622 + PF-602

Machine weight: Approx. 353kg

II. Pre-installation Check Items

1. Select a level and stable place for installing the machine.
2. Be sure to use a power source of the voltage and frequency indicated in the product specifications. Ensure that the current carrying capacity of the power outlet is at least equal to the current listed in the product specifications.
3. Power the machine directly from a dedicated power outlet. (Do not use an extension cord.)
4. Do not plug or unplug the power cord with wet or dirty hands, otherwise you may get an electric shock.
5. Avoid a hot and humid environment, or a place exposed to direct sunlight.
6. Avoid a dusty location, or a place near volatile and flammable substances.
7. Avoid a poorly ventilated place.

III. Accessory parts

No.	Name	Shape	Q'ty
1.	Exhaust cover	 A03UIXC005SA	1
2.	Developer (Y/M/C/K)	A1DUIXC001CA	each 1
3.	Developing unit (Y/M/C/K)	A03UIXC007SA	each 1
4.	Transfer unit	A03UIXC008SA	1
5.	Belt cleaner unit	A03UIXC009SA	1
6.	Separation claw unit	A03UIXC010SA	1
7.	Operation panel	A03UIXC012SA	1
8.	User's guide holder	 A03UIXC013SA	1
9.	Sub power switch label	A03UIXC014SA	1
10.	Developing unit label	A1RFIXC008CA	6
11.	Arm cover (Fr/Rr)	A1DUIXC003CA	1
12.	Installation manual		1
13.	User's guide (Except for Europe)		each 1
14.	Power cord (For option)	15KVIXC014SA	1
15.	Clamp		2
16.	TP screw M4x6		8
17.	TP screw M3x4		13
18.	TP screw M3x6		7
19.	SEMS II screw M4x8		2
20.	Bind screw M4x10		2
21.	Truss screw (black) M4x6		5
22.	Service port board	A1DUIXC004CA	1
23.	Board installation plate	 A1DUIXC005CA	1
24.	Band (for IC-601)	A1DUIXC006CA	1
25.	CD-ROM		1set

IV.Installation Procedure

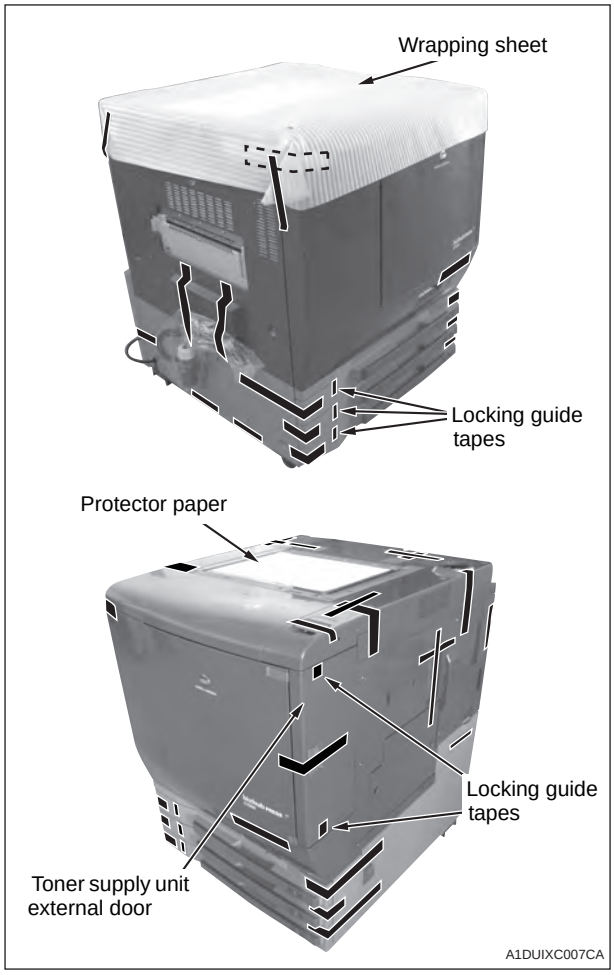
Note:
Release all locks, and do not plug the power cord into the outlet until you are instructed to do so.

1. Remove the wrapping sheet on the top.
2. Inspect the outward of the Machine.
3. Remove the locking tapes put on the exterior panels.

Note:

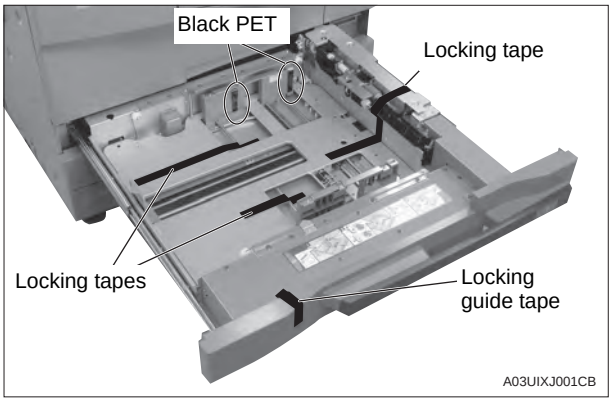
- Locking guide tapes indicate the portions to be unlocked; those tapes should be removed after the completion of each unlocking procedure.

4. Open the toner supply unit external door and remove the locking guide tapes

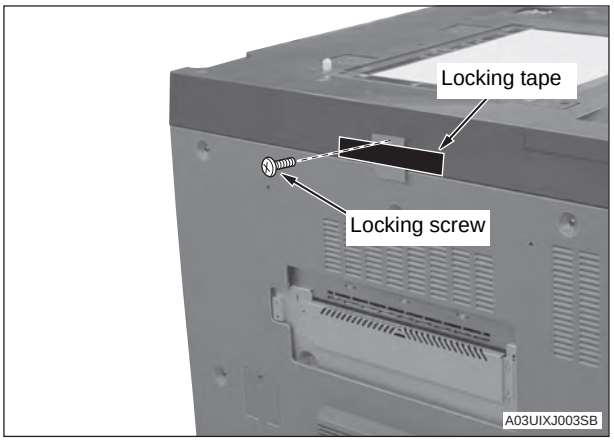


5. Remove the locking tapes from inside each of the trays. Remove the lock guide tape last.

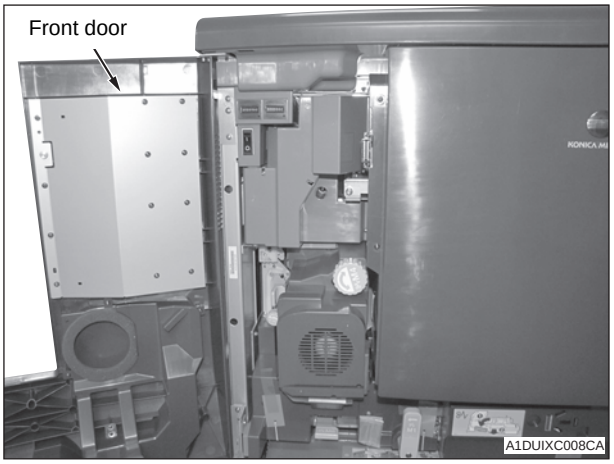
Note:
When removing locking tapes from inside each of the trays, be careful not to damage the black PET.



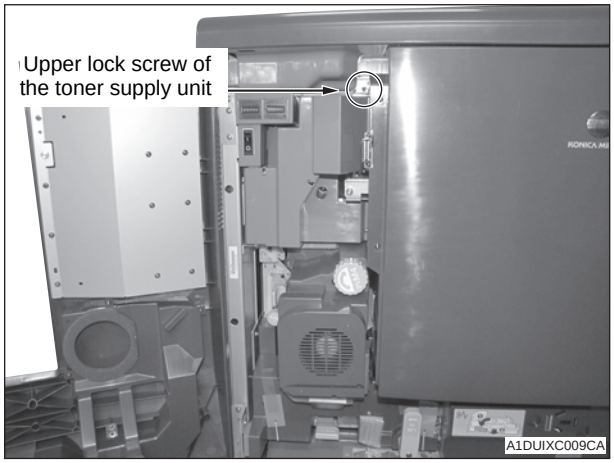
6. Remove the optics unit locking screw on the left side of the Machine.



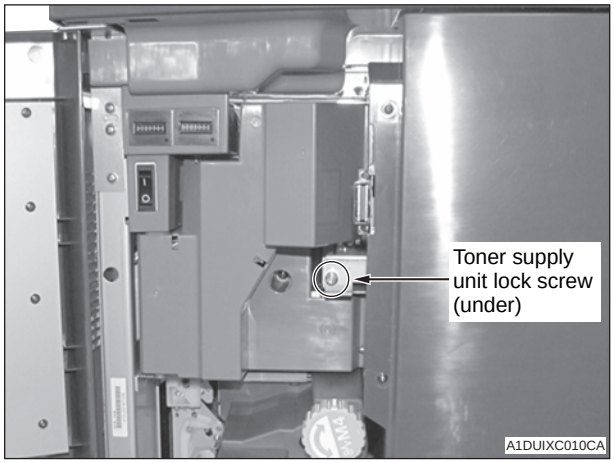
7. Open the toner supply unit and the front door of the Machine.
   (1) Open the front door of the Machine.



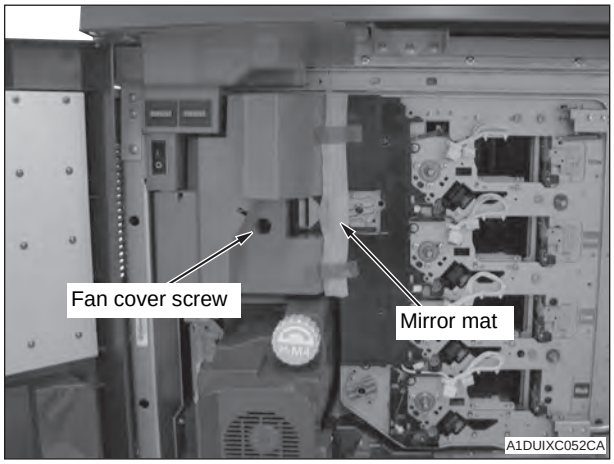
(2) Loosen the upper lock screw of the toner supply unit.



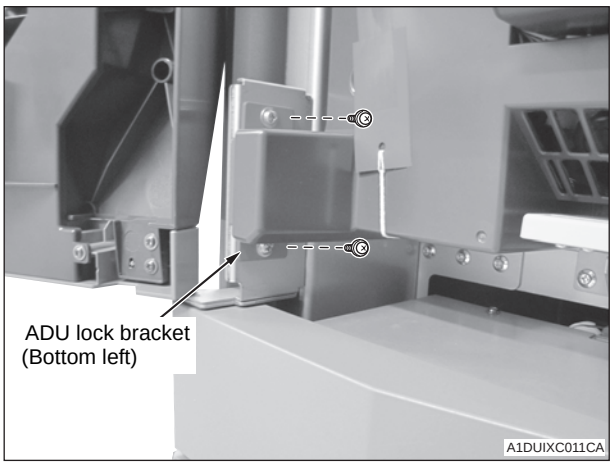
(3) Loosen the lower lock screw toner supply unit, open the toner supply unit.



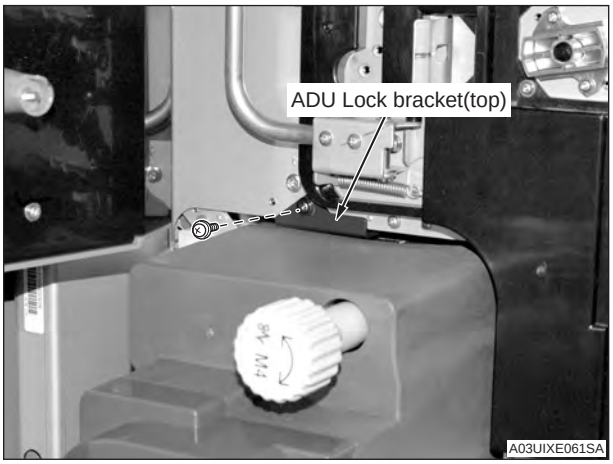
(4) Remove the mirror mat.
(5) Loosen the one screw of the fan cover to open it.



8. Release the ADU lock.
(1) Remove the two screws of the ADU lock bracket (bottom left).

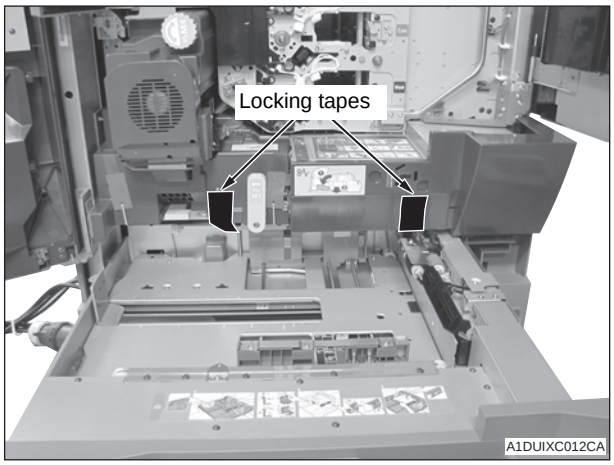


(2) Remove one ADU lock bracket screw (top).

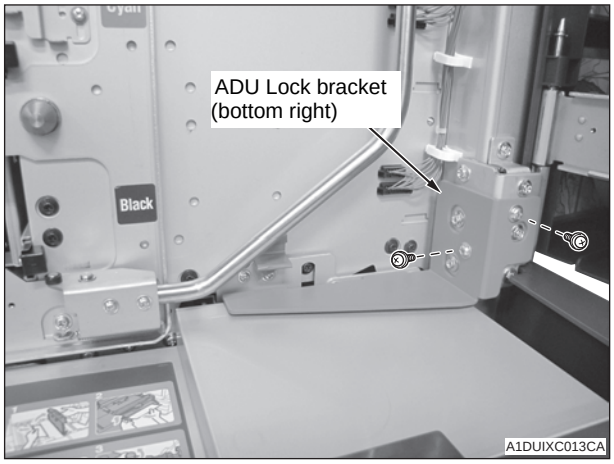


(3) Pull out the tray/1 and remove 2 ADU locking tapes.

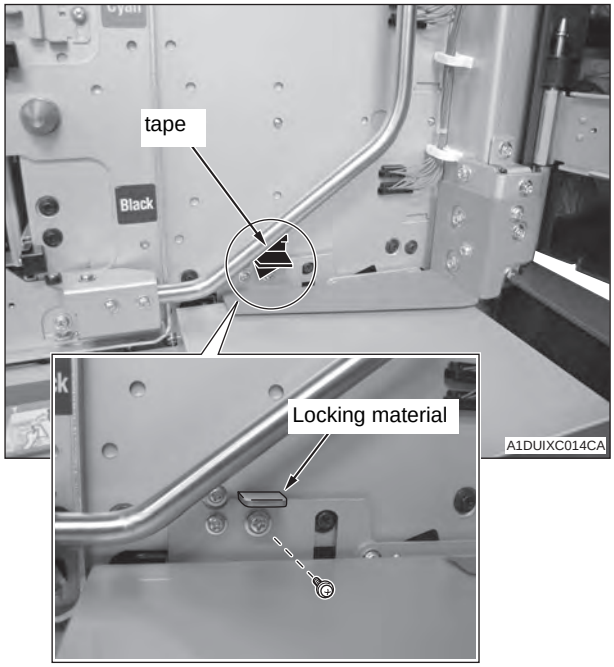
Note:
The tapes on the lower left are overlapped and the inner tape cannot be removed.



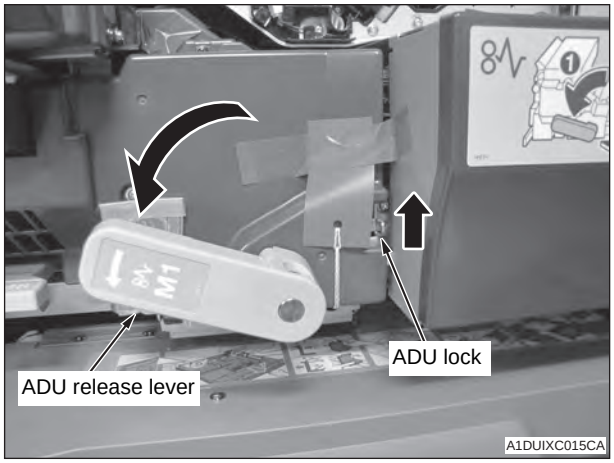
(4) Remove 2 ADU lock bracket screws (lower right), and then remove the ADU lock bracket.



(5) Remove the tape from the ADU section, remove 1 screw, and then remove the locking material.

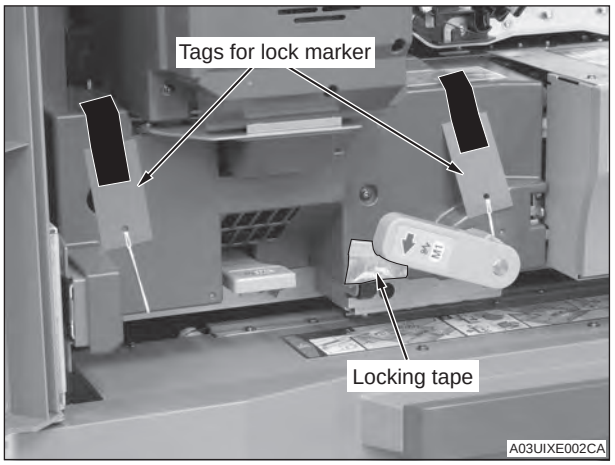


(6) Turn the ADU release lever to the left, while keeping the ADU lock open.



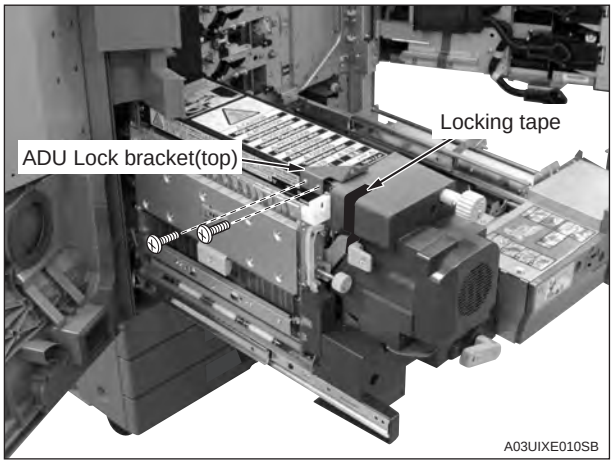
Note:

Do not remove the red tags in this step because it shows that locking materials are on ADU inner part side.



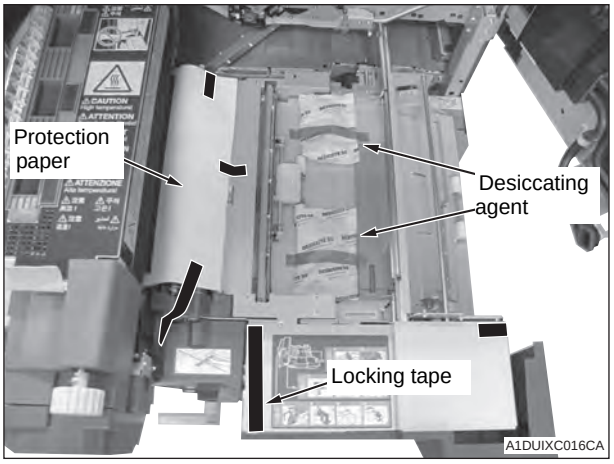
(7) Pull out the ADU unit.

(8) Remove the locking tape from Lever M6, and remove the ADU locking bracket (upper). (2 screws)

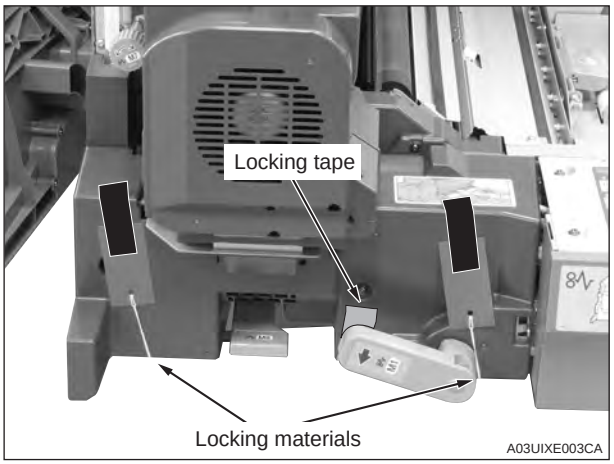


(9) Remove the desiccating agent.

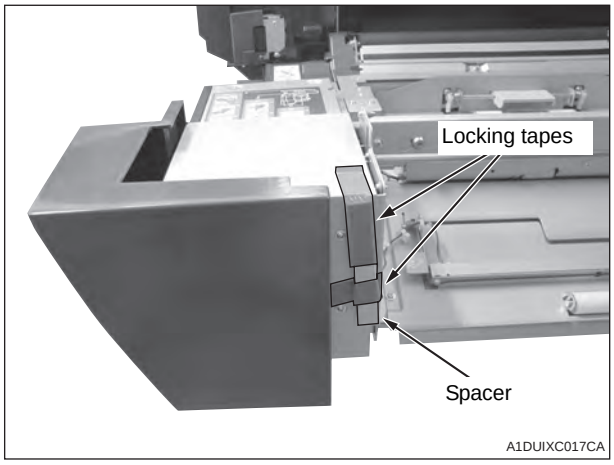
(10) Remove the locking tapes and the protection paper.



(11) Remove the locking tape and two locking materials(point of a thread of a red tag) from ADU unit inner part side.



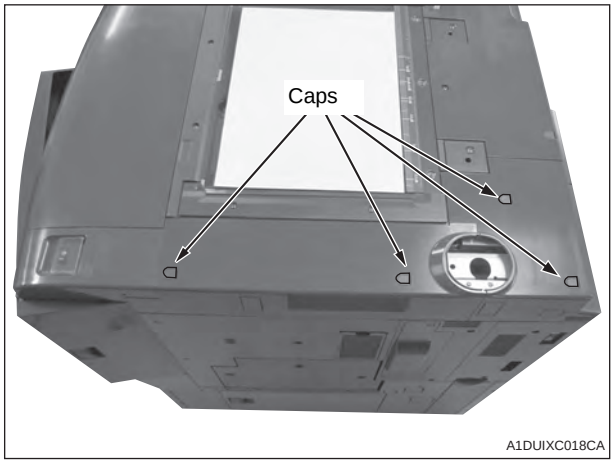
(12) Remove the locking tapes from the right-hand side of the ADU unit. Remove the spacer.



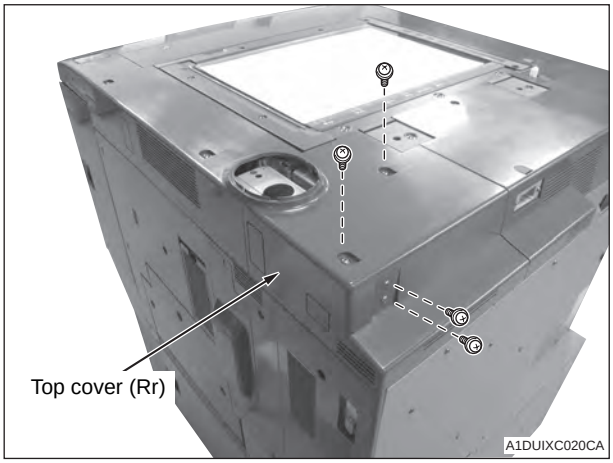
(13) Re-insert the ADU unit into the machine and lock the ADU release lever.

9. Install the operation panel.

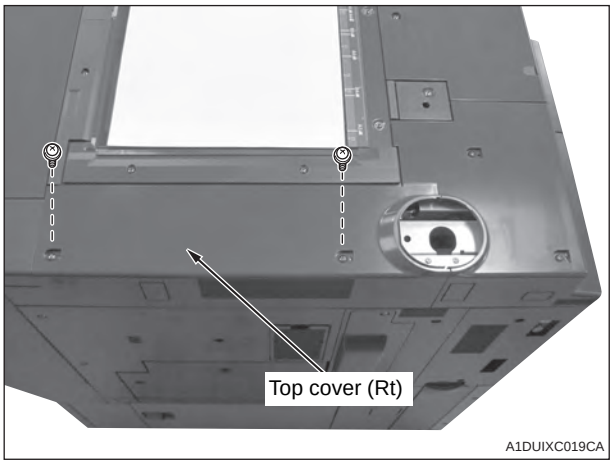
(1) Remove 4 caps.



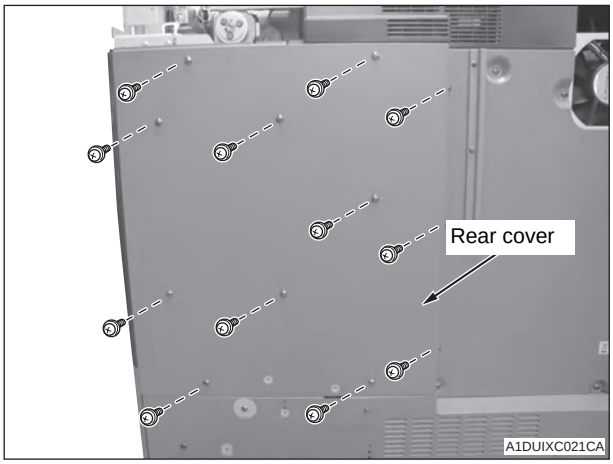
(2) Remove 4 screws, and then remove the top cover (Rr).



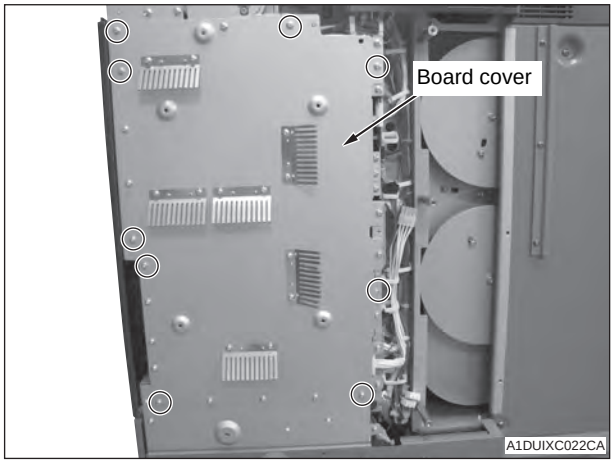
(3) Remove 2 screws, and then remove the top cover (Rt).



(4) Remove the rear cover. (12 screws)



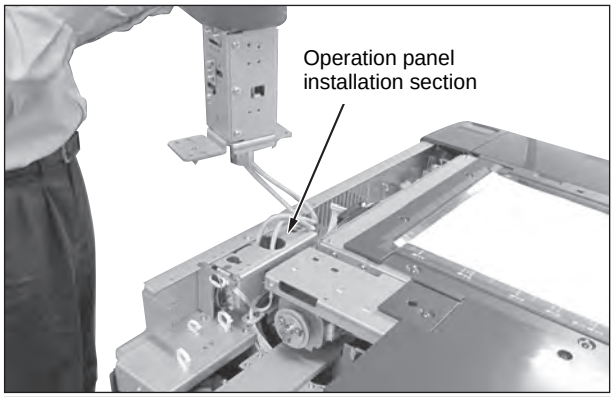
(5) Remove the board cover. (9 screws)

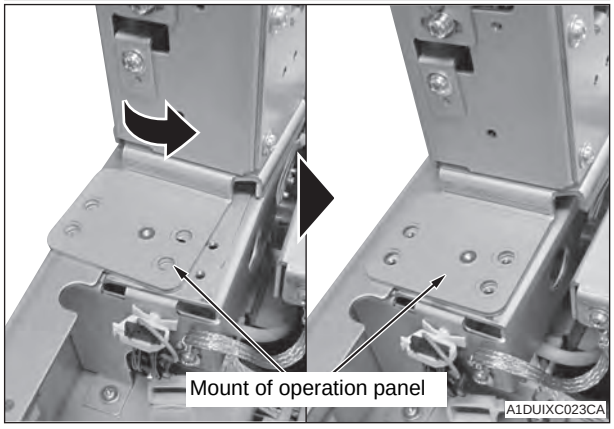


(6) Mount the operation panel on the main body. Set 2 base pins on the operation panel to the holes on the main body and turn it to the arrow-marked direction to lock.

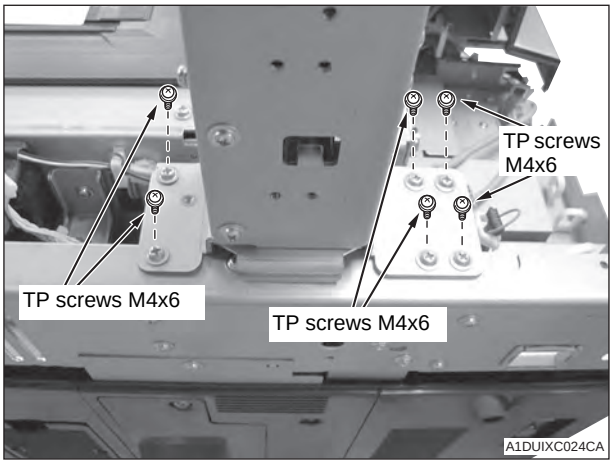
Note:

To mount the operation panel, be sure to pass the connectors of the operation panel through the operation panel installation section and pull them out at the rear of the machine.





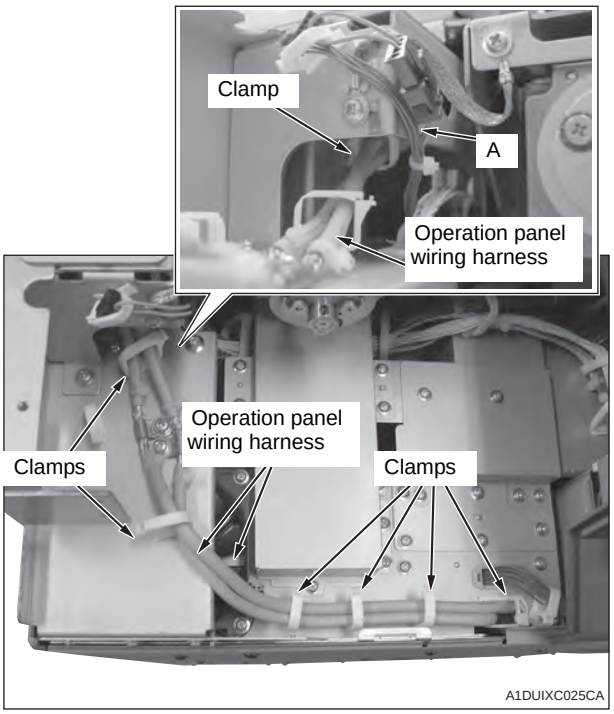
(7) Mount the operation panel. (TP screw M4x6: 6)



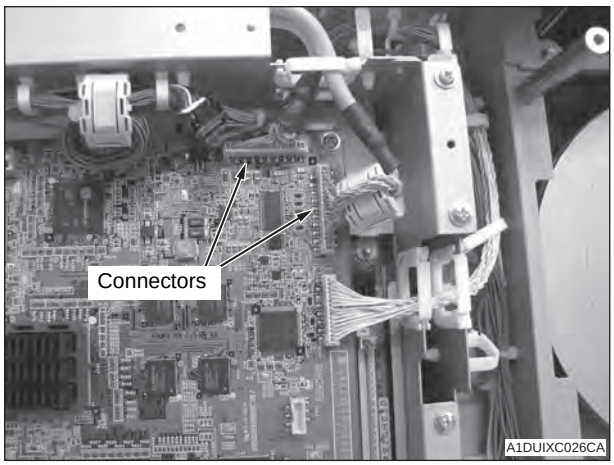
(8) Set 2 wiring harness of the operation panel in 7 clamps.

Note:

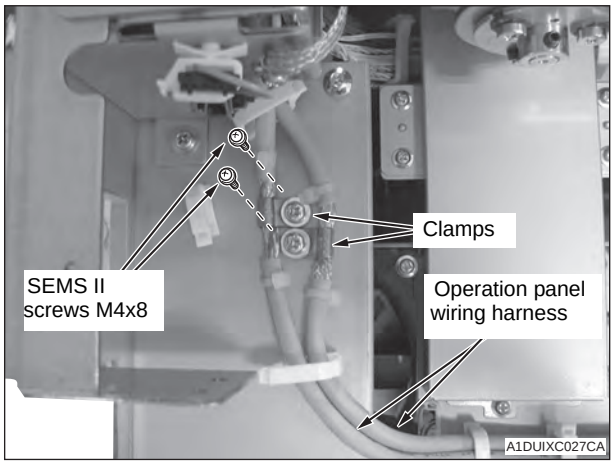
Be careful not to set the wiring harness of the operation panel crossed over the wiring harness A.



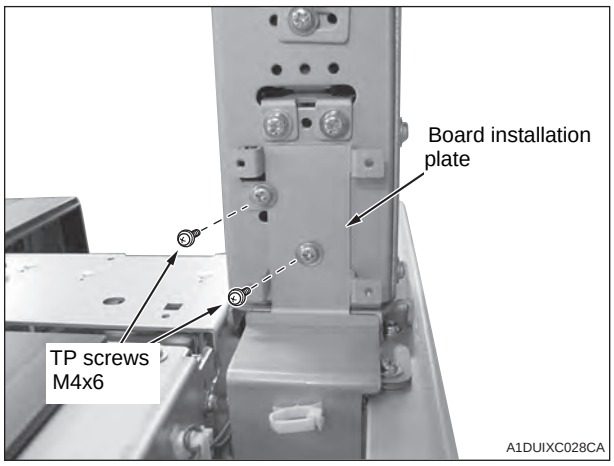
(9) Connect 2 connectors.



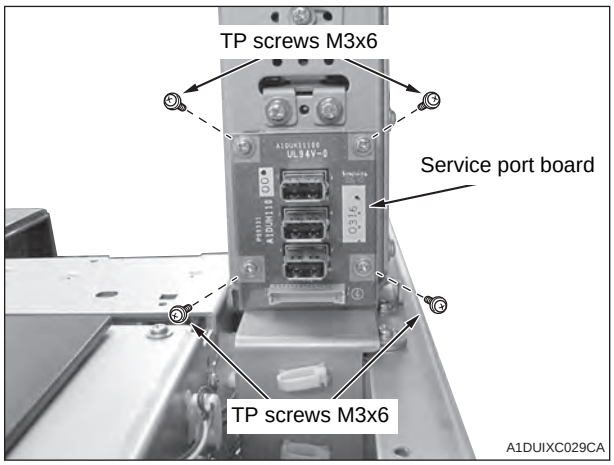
(10)Fix 2 wiring harness of the operation panel in 2 clamps as shown in the picture.
(SEMS II screw M4x8: 2)



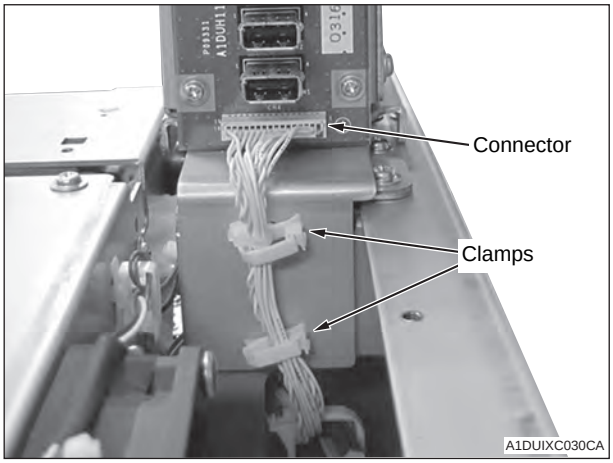
(11)Install the board installation plate.
(TP screw M4x6: 2)



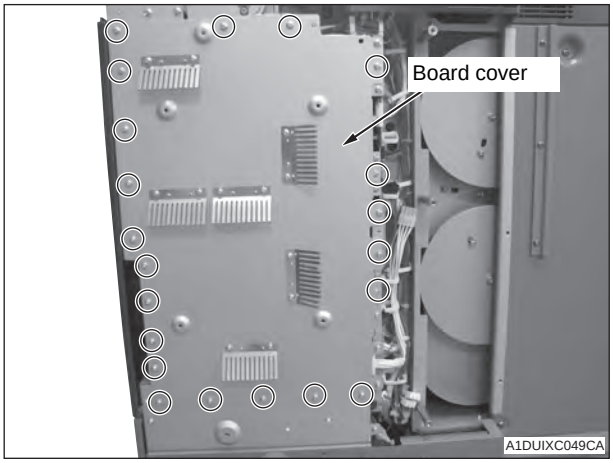
(12)Mount the service port board.
(TP screw M3x6: 4)



(13)Connect the connector and set the wiring harness in 2 clamps.

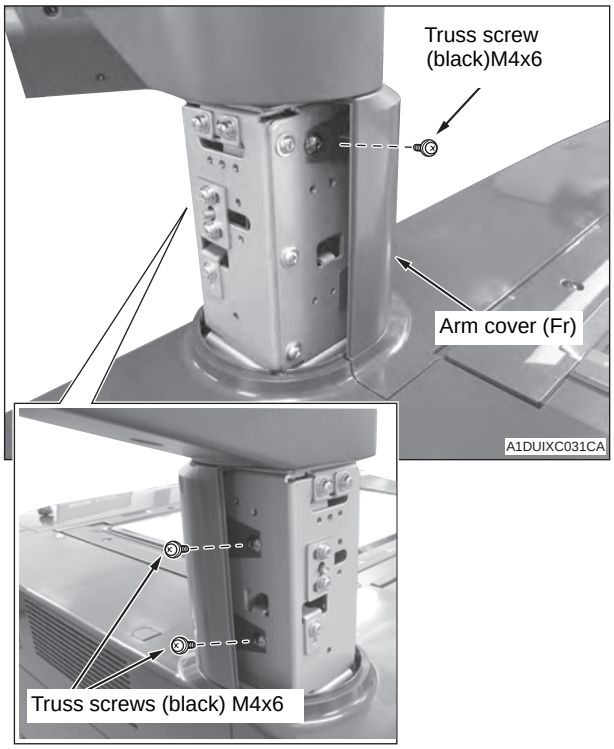


(14)Reinstall the top covers (Rt and Rr) to the original positions.
(15)Reinstall the board cover.
(TP screw M3x4: 22 (removed screws: 9 + TP screw M3x4:13: bundled in the main body))

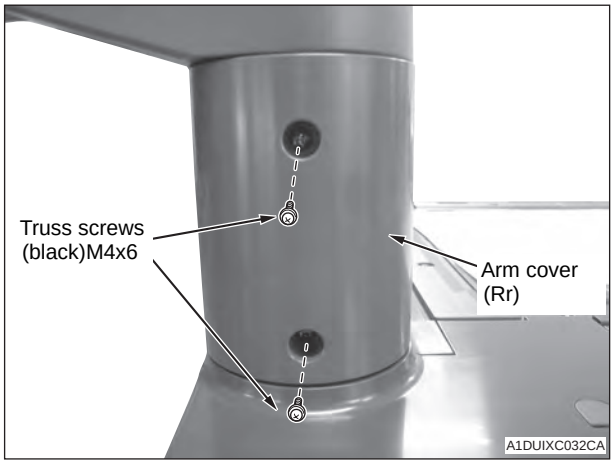


(16)Reinstall the rear cover. (12 screws)
(17)Reinstall 4 caps to the original positions.

(18)Install the arm cover (Fr). (Truss screw (black) M4x6: 3)

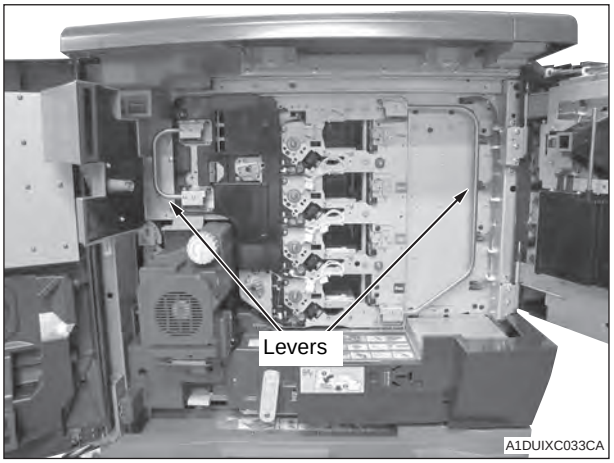


(19)Install the arm cover (Rr). (Truss screw (black) M4x6: 2)

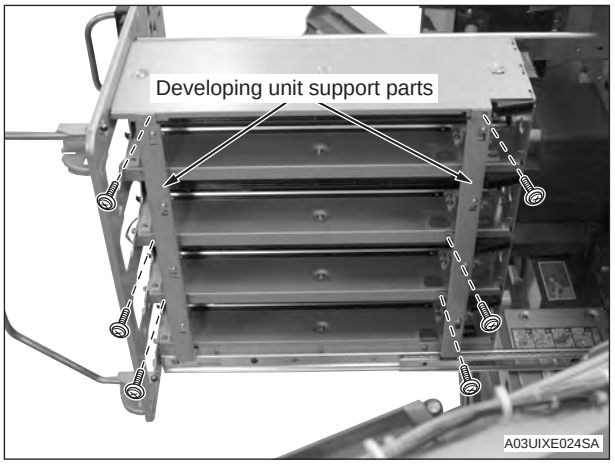


10.Set the developing unit.

(1) Return the left and right levers of the process unit to the front and pull them toward you.



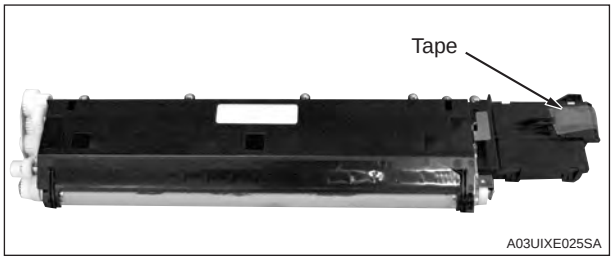
(2) Remove the developing unit support part (2 places) (screws: 3 pcs each).



(3) Remove the tape from the toner loading slot of the developing unit.

Note:

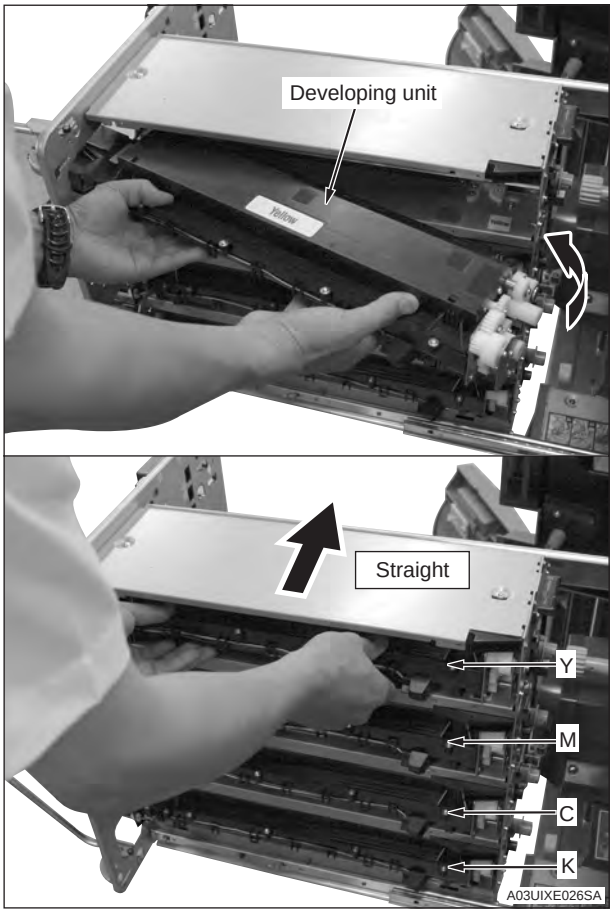
Be careful not to touch the sleeve when removing the developing unit.



(4) Install the developing units in the order YMCK (from the top) in the machine. To install, insert each developing unit on the left side first and then set the right side.

Note:

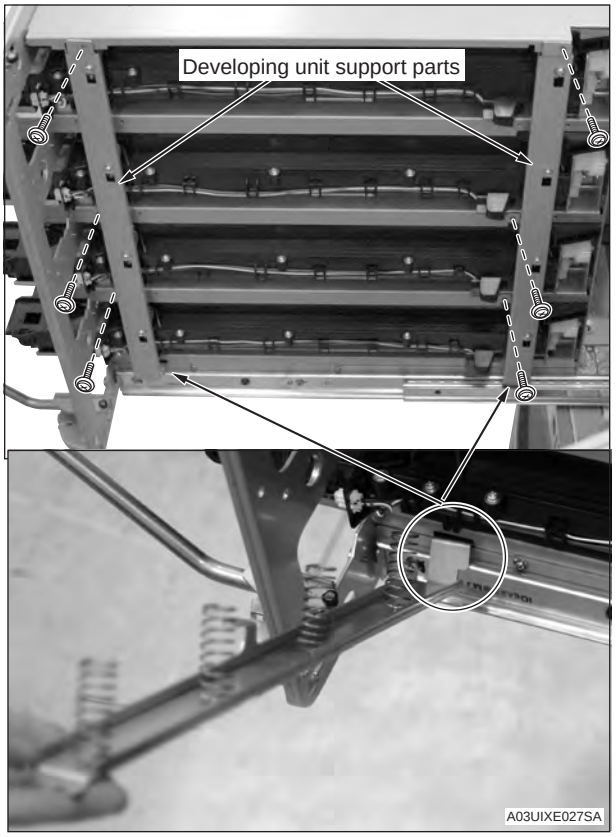
When slipping the unit on the rail, move straight. (Avoid slanting to the right or left)



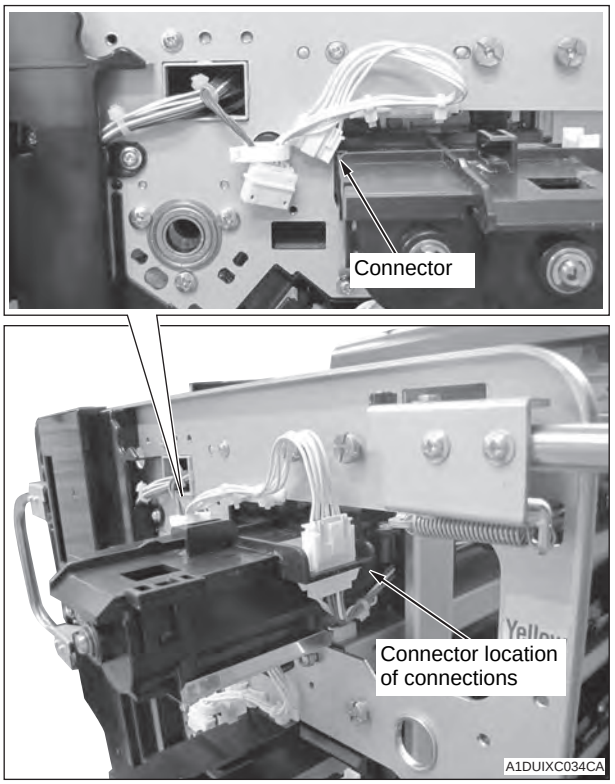
(5) Install the developing unit support part (2 places) (screws: 3 pcs. each). To install, insert the bottom of the developing unit support part and tighten with the screws.

Note:

Make sure that the springs do not come off.



(6) Connect the connectors on the process unit to the YMCK developing units.

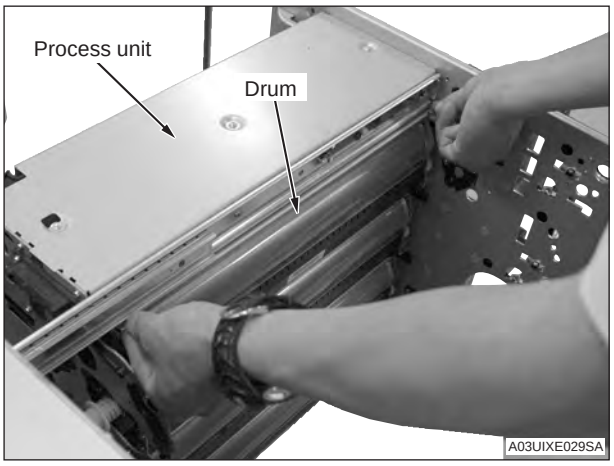


11.Remove the drum blade pressure release screw for each color.

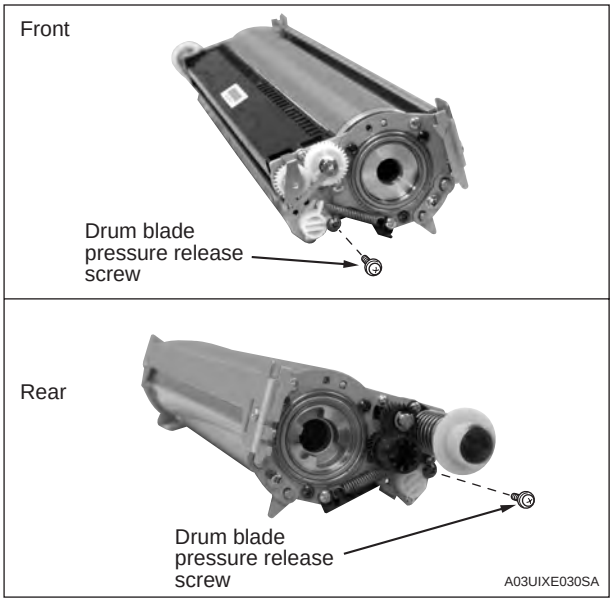
Note:

- Do not expose the drum to light for a long time.
- Do not touch drum surface.
- Do not damage drum surface.
- Return the drum to the position it was in before it was removed.
- When installing the drum for K (at the very bottom shelf) take care not to get the Mylar sheet entangled.

(1) Remove the drum from the process unit.



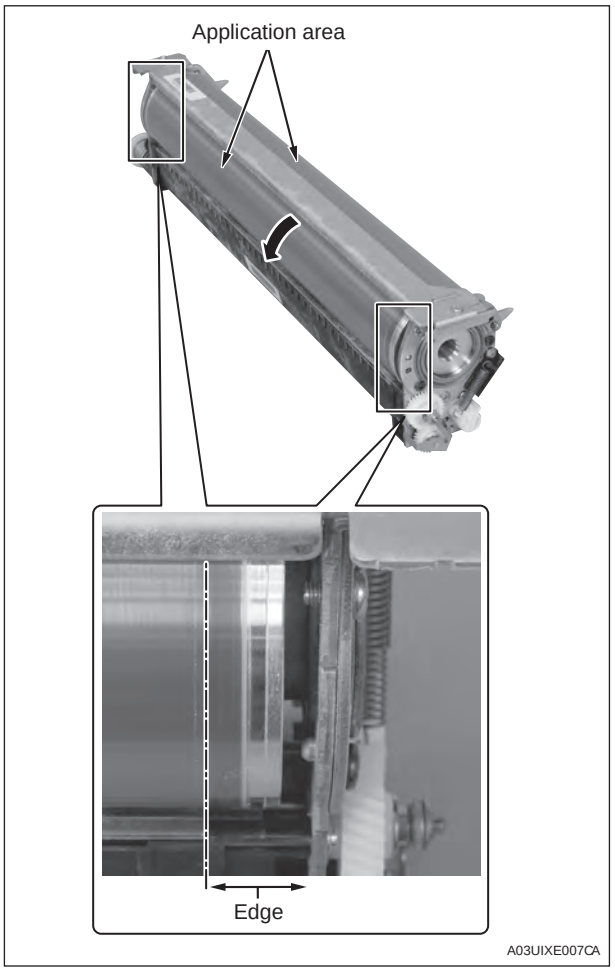
(2) Remove the drum blade pressure release screws (front/rear: 1 red screw each).(YMCK processing)



(3) Apply setting powder on both side of the drum, and rotate both side edges with fingers in the direction shown in the figure to brush setting powder off.

Note:

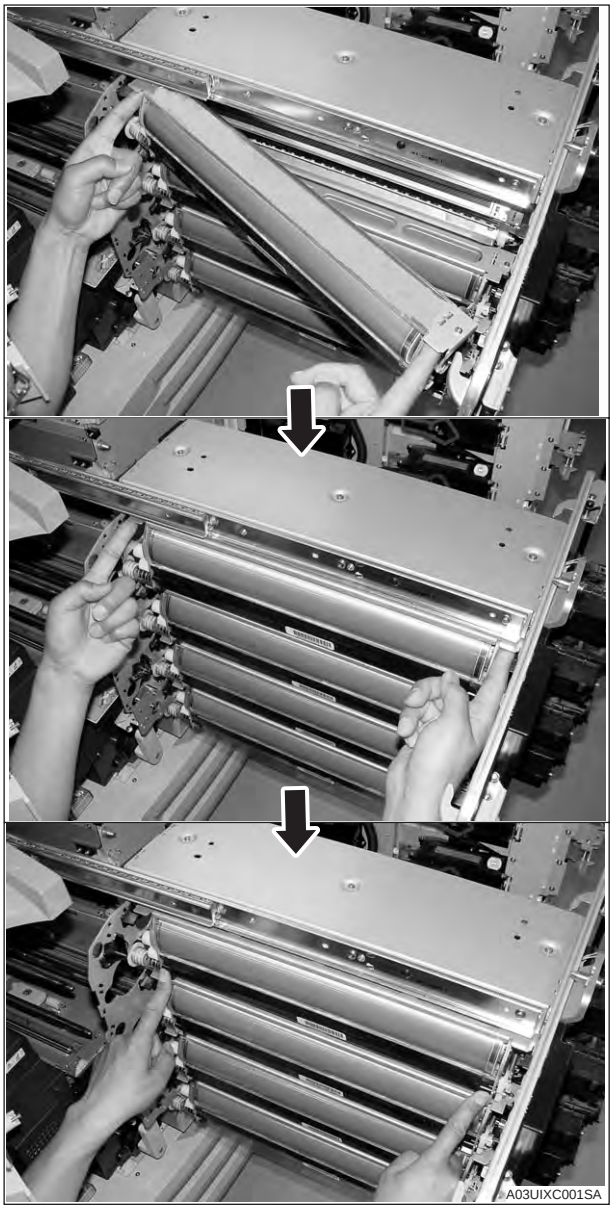
Be sure to rotate both side edges with fingers not to touch image area.
Do not rotate in the opposite direction.

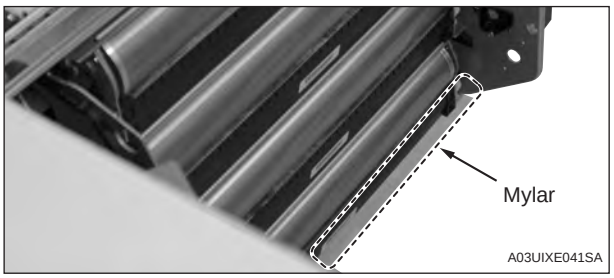


(4) Install the drum in the original position.

Note:

Once the drum for K (at the very bottom shelf) has been installed, ensure that the mylar sheet is not entangled.

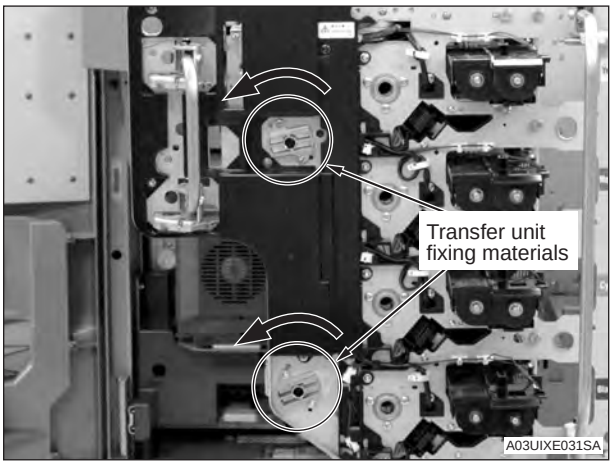




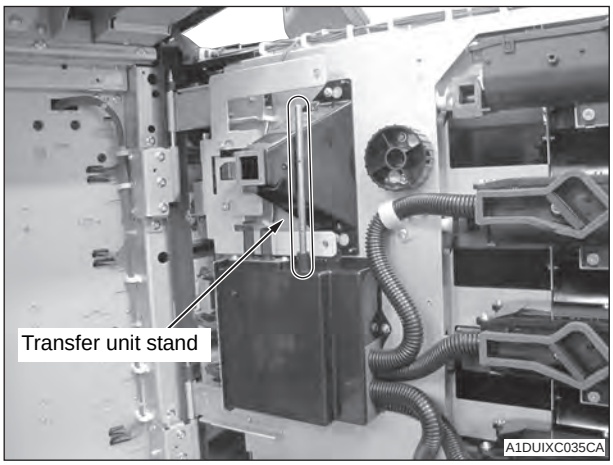
(5) Return the process unit to the machine.
(It is not necessary to lock it)

12. Install the transfer unit.

(1) Loosen the two screws of the transfer unit fixing materials (top/bottom). There are two screws in the top piece, and two screws in the lower piece. Turn the transfer unit fixing materials counterclockwise to remove.



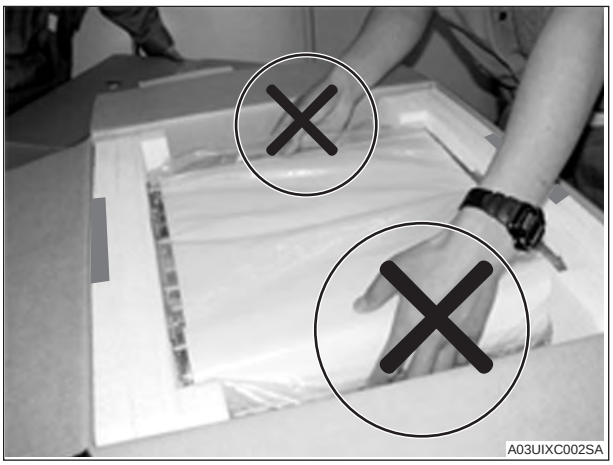
(2) Remove the transfer unit stand on the rear side of the toner supply unit.



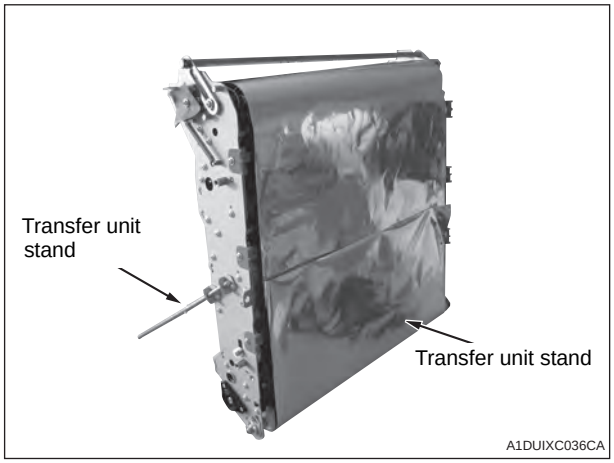
(3) Remove the transfer unit from the box.

Note:

When removing the transfer unit from the box, never hold it at the positions shown in the figure. When taking it out of the bag, be careful not to touch the belt.



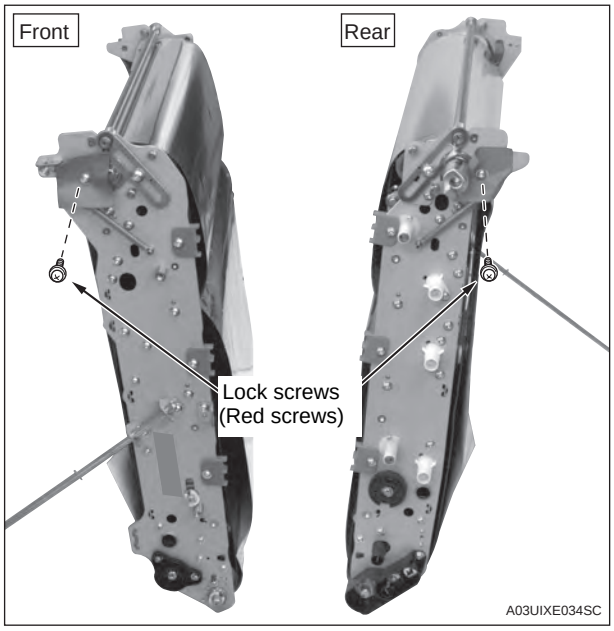
(4) Stand the transfer unit up using the transfer unit stand.



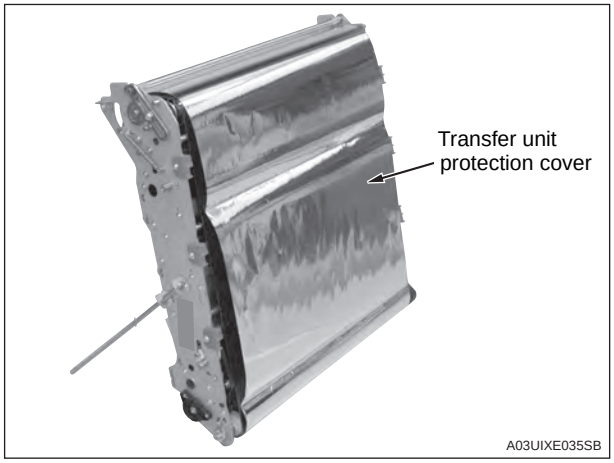
(5) Remove the two lock screws. (Red screws)

Note:

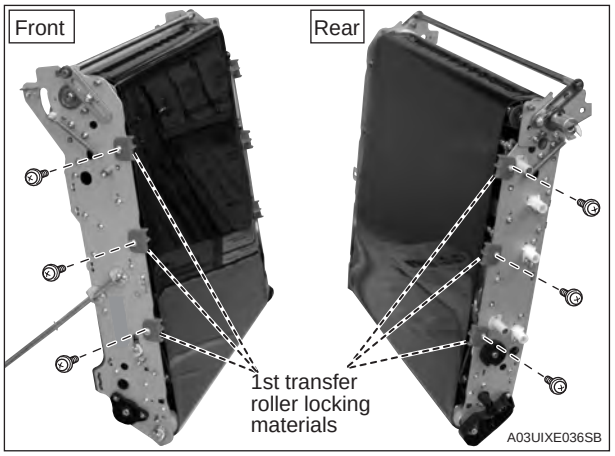
The left and right lock screws are different lengths, note when reattaching them if you move them.



(6) Remove the transfer unit protection cover.



(7) Remove the 1st transfer roller locking material (front and rear 6 places: 1 screw each).



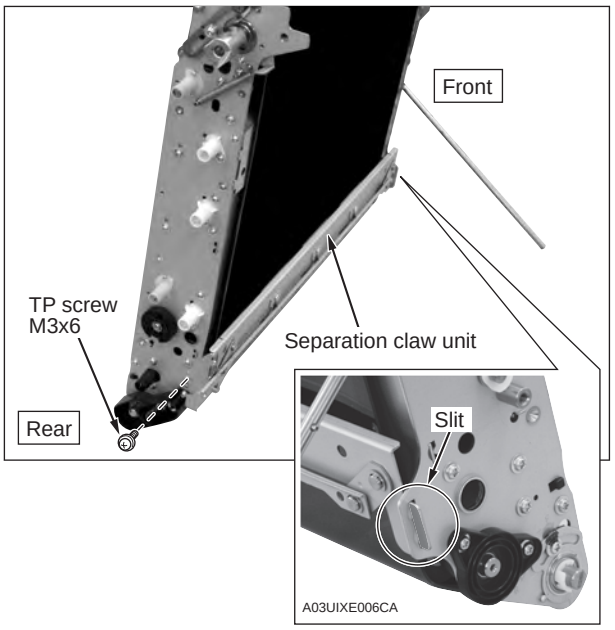
(8) Install the separation claw unit. Place the claw unit into the slit in the bottom right of the transfer unit, and screw the unit in while aligning it with the left projection. (TP screw M3x6: 1 pc.)

Note:

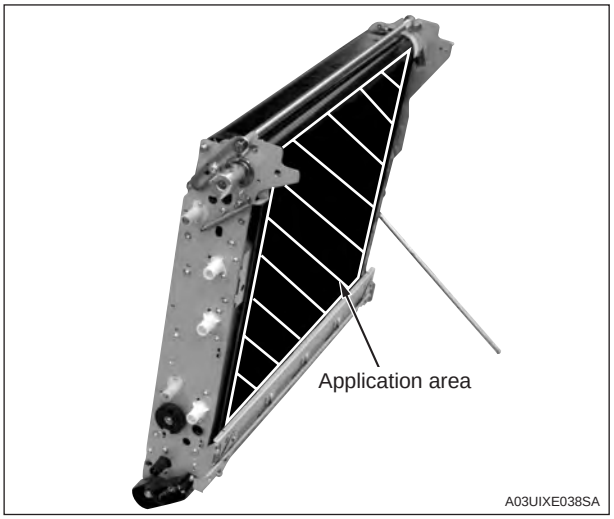
Be careful not to damage the belt.

Caution:

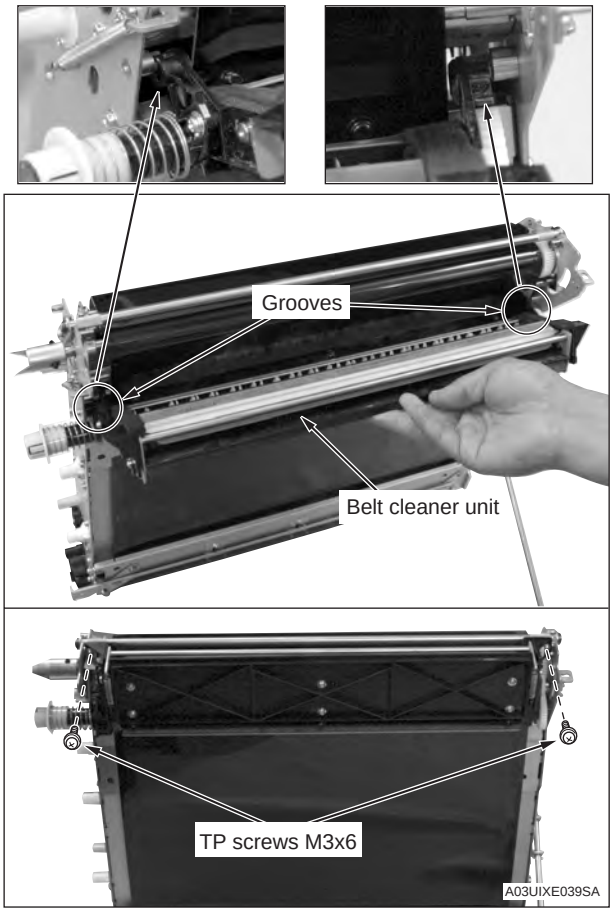
Be careful not to get injured.



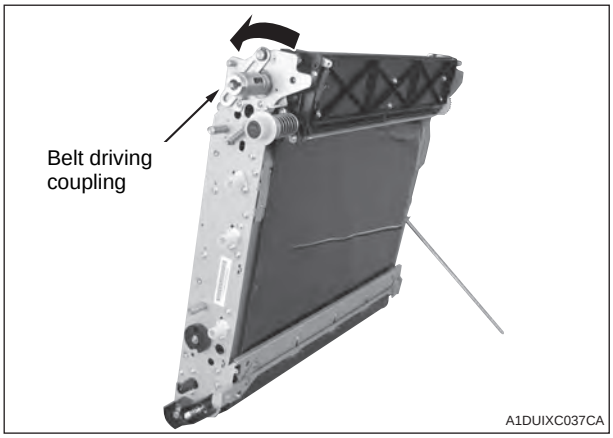
(9) Apply setting powder on the surface of the belt between the belt driving roller and the separation claw unit.



(10) Install the belt cleaner unit by aligning it with the angle of the top grooves of the transfer unit (TP screw M3x6: 2 pcs.).



(11) Rotate the belt driving coupling in the direction shown in the figure to brush all setting powder off.

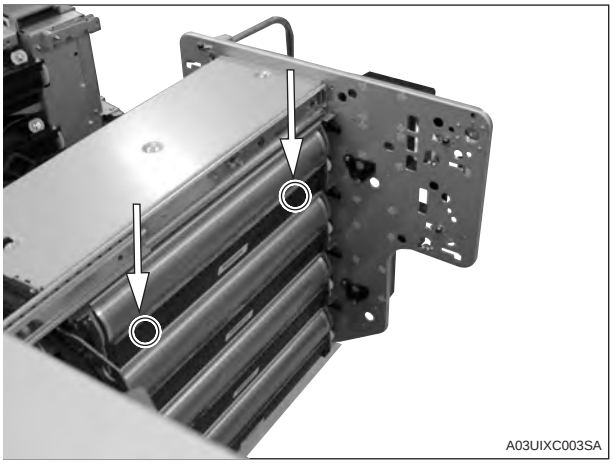


(12) Pull out the process unit again.

(13) Press the portion marked with an arrow to confirm that the drum cartridge is correctly set.

Note:

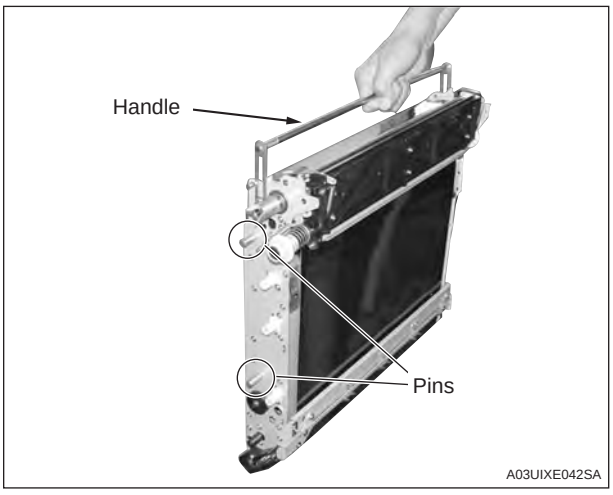
Incorrect setting of the drum can damage the drum when installing the transfer unit.



(14) Remove the transfer unit stand, pull the handle on the top of the transfer unit, and lift the handle.

Note:

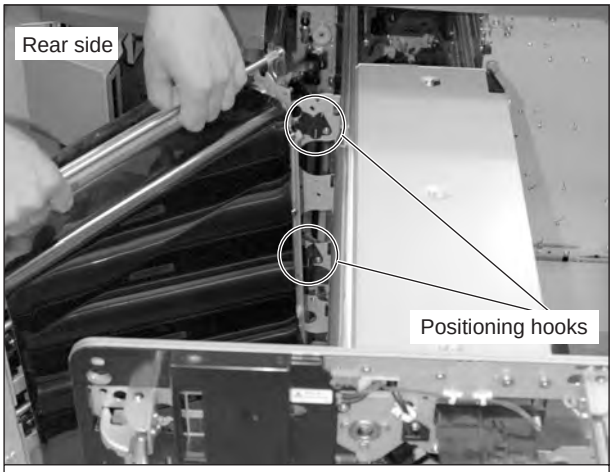
Return the transfer unit stand to the original position.

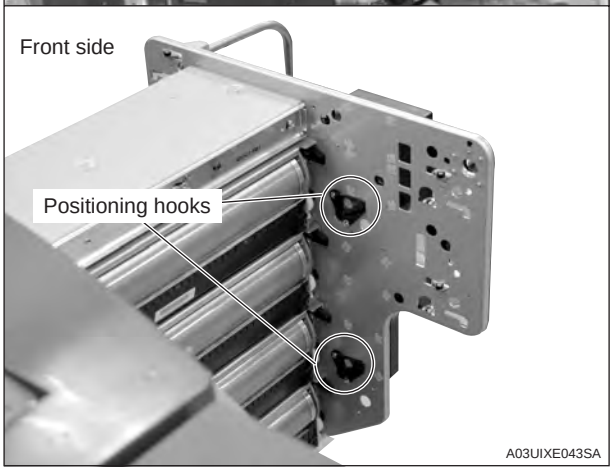


(15) Set the transfer unit with the surface of its belt facing the drum side. Position the unit obliquely, as shown in the figure, and move it into place from the rear, then align it so that the pins of the transfer unit are engaged by the positioning hooks (4 places) in the front and rear.

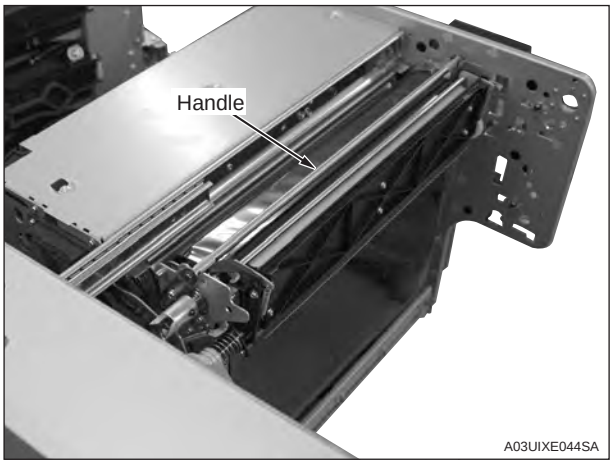
Note:

Be careful not to hit the drum with the transfer unit.

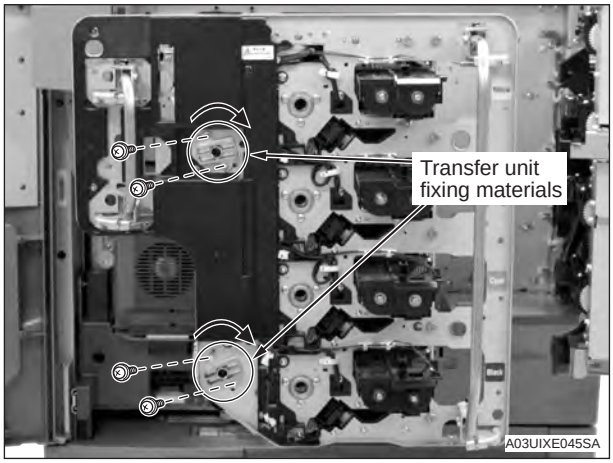




(16) After installing the transfer unit, return the handle back to the original position.



(17) Turn the transfer unit fixing material in the direction of the arrow until it reaches the screws, and secure it with screws (2 screws each).

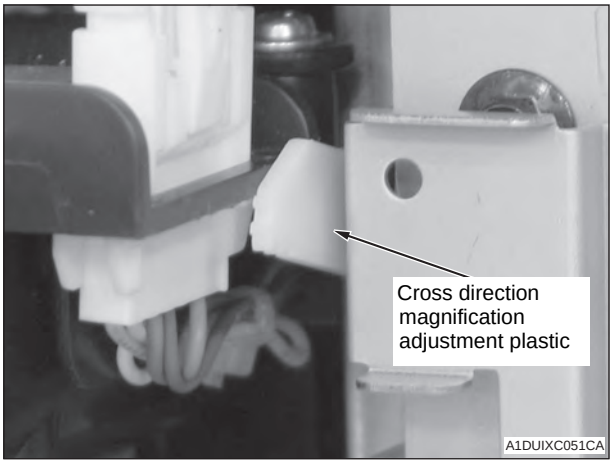


(18) Push the process unit all the way (until it clicks), and bring the left and right levers to their original positions.

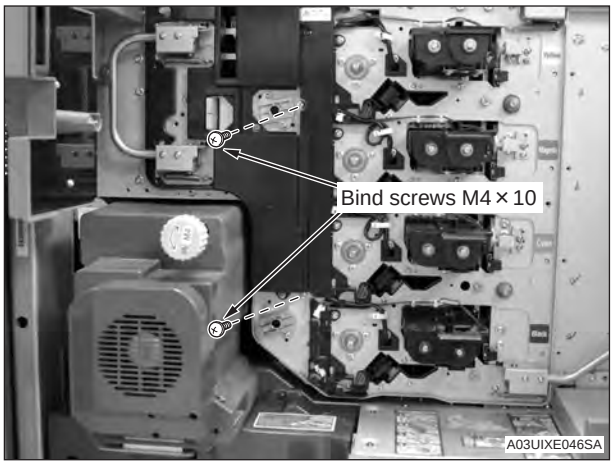
(19) Check the position of the white plastic for cross direction magnification adjustment (Y,M,C). When it is not positioned as shown in the picture, pull out the process unit to move it to its normal position

Note:

Never loosen the screw.



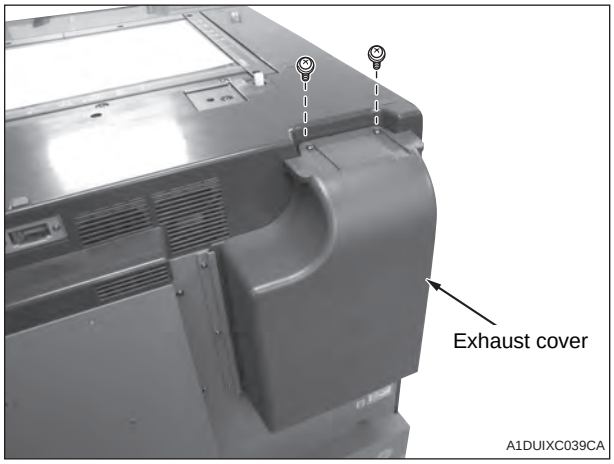
(20) Install a Bind screw M4x10 at each of the two locations on the transfer unit.



13. Install the exhaust cover.

(1) Remove 2 screws on the rear side of the main body.

(2) Slide and install the exhaust cover, and then secure it with 2 screws.

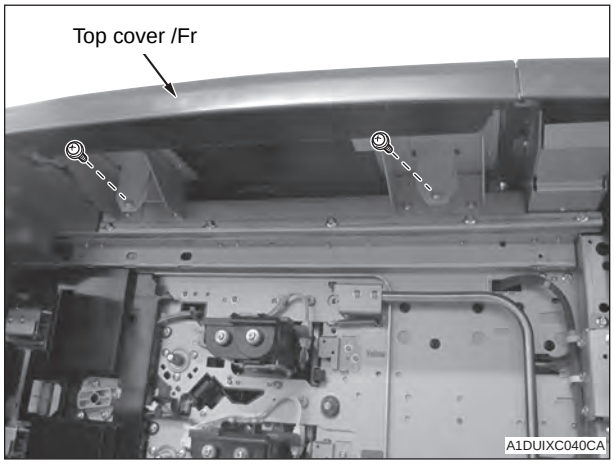


14. Set the developer.

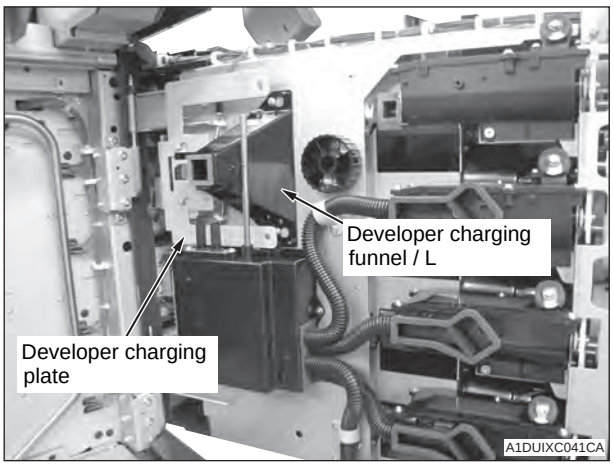
Note:

Set developers in the order YMCK (from the top of the developing unit).

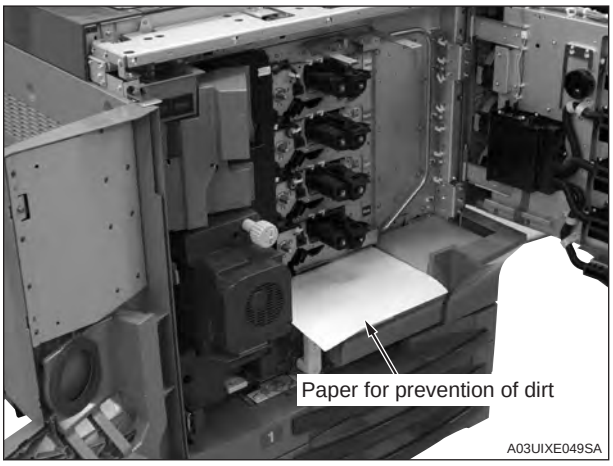
(1) Remove the top cover/Fr.(2 screws)



(2) Remove the developer charging plate set on the back of the toner supply unit, and then remove the developer charging funnel / L.



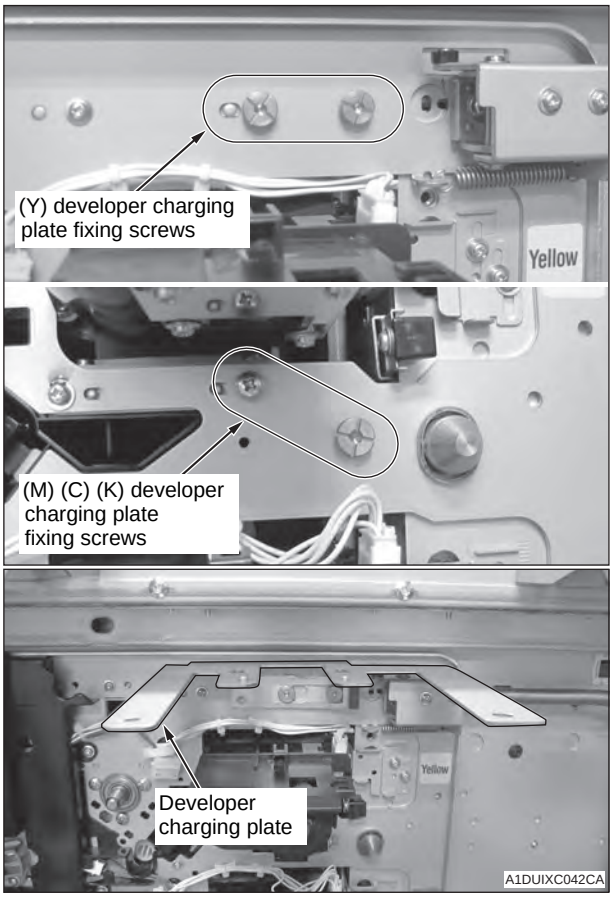
(3) Place a piece of paper below the toner insertion slots to prevent soiling.



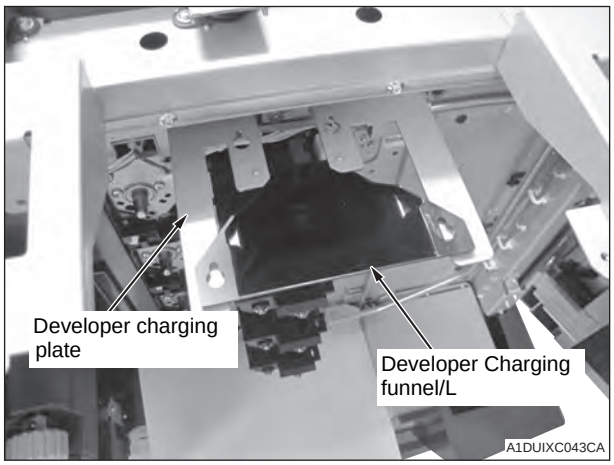
(4) Align the holes of the developer charging plate to the developer charging plate fixing screws, and slide it to the right to secure it.

Note:

Be careful not to nip the wiring harness.



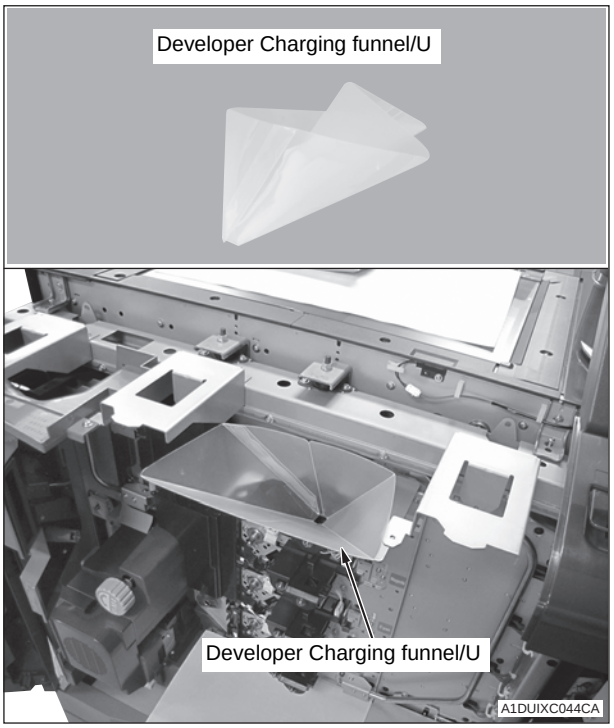
(5) Set the developer charging funnel / L to the toner loading slot of the developing unit. Place it on top of the developer charging plate as shown in the figure.



(6) Take out the developer charge funnel /U which is bundled in the developer. Unfold the developer charge funnel /U and set it to the developer charge funnel /L.

Note:

When opening the developer charging funnel/U, bend it outward against the inclination to flatten it.

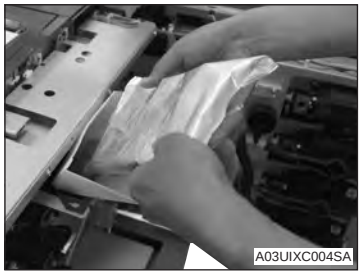


(7) Plug the power cord into the outlet.

Caution:

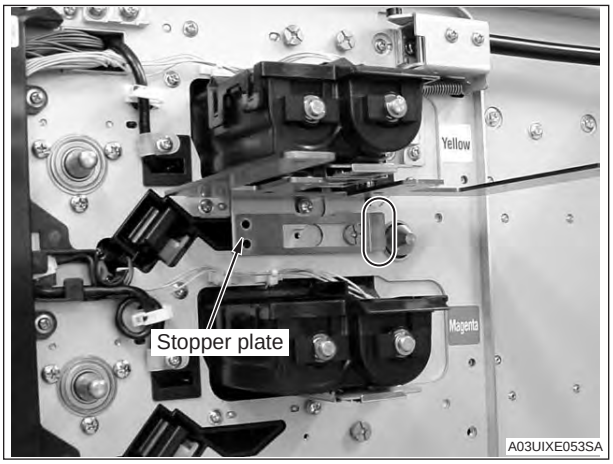
Be sure to plug the power plug completely into the outlet.

(8) Set the developer.

	Step
1.	Turn ON the Main power switch.
2.	Enter Service Mode. **Note:** •Refer to procedures in the Service Manual to enter into the Service Mode. •To enter into the Service Mode, follow the stepsfrom the sub power OFF status described in the Service Manual.
3.	[Service Mode Menu screen] Touch the “Process Adjustment”.
4.	[Process Adjustment Menu screen] Touch the “Drum Peculiarity Adj.”
5.	[Drum Peculiarity Adjustment Menu screen] Touch the “Auto. Developer Charge”.
6.	Check if the screen shows [Y] If the yellow developer is ready, touch the [Start].
7.	Pour in the developer. 
8.	After the developer is completely poured in, touch the “Cancel”.
9.	Touch the “M” (magenta).
10.	Pour in the developer in the same manner as for yellow. **Note:** • Ensure before loading that the color of the developer matches to the color displayed on the screen. • Make sure the developer charging funnel / L is cleaned before moving from one color of the developer to the next. • Replace the developer charging funnel /U for each color of developer. • Follow the same procedure for cyan (C) and black (K) developers.

Note:

When removing the developer charging plate from the machine, lift the right side of the stopper plate, and slide the developer charging plate to the left side to remove it.



15. Return the developer charging funnel / L and the developer charging plate to the original position.
16. Reinstall the top cover/Fr. (2 screws)
17. Tighten the screw on the fan cover. (1 screws)
18. Close the toner supply unit, and tighten the toner supply unit lock screws. (2 screws)

Note:

To fasten the two lock screws of the toner supply unit, position the unit by fastening the screw at the lower section first, before fastening the one at the upper section.

19. Close the front door of the machine.

V.Adjustments and Settings

Note:
Execute the adjustments and settings below.

1. Toner density sensor initial auto adjustment

	Step
1.	Return to Service Mode.
2.	[Service Mode Menu screen] Touch the “Process Adjustment”.
3.	[Process Adjustment Menu screen] Touch the “Drum Peculiarity Adj.”
4.	[Drum Peculiarity Adjustment Menu screen] Touch the “Toner Density Sensor Init.”
5.	[Toner Density Sensor Initial Auto. Adj. screen] Select the “All” and touch the “Start”.
6.	This process takes about 3 minutes and 40 seconds and automatically stops with a completion message on the screen.

2. Blade setting mode

	Step
1.	Touch the “Return” to return to the [Drum Peculiarity Adjustment Menu screen].
2.	[Drum Peculiarity Adjustment Menu screen] Touch the “Blade Setting Mode”.
3.	Touch the “Int. Trans. Belt”.
4.	This process takes about 20 seconds and automatically stops with a completion message on the screen

3. Gamma automatic adjustment

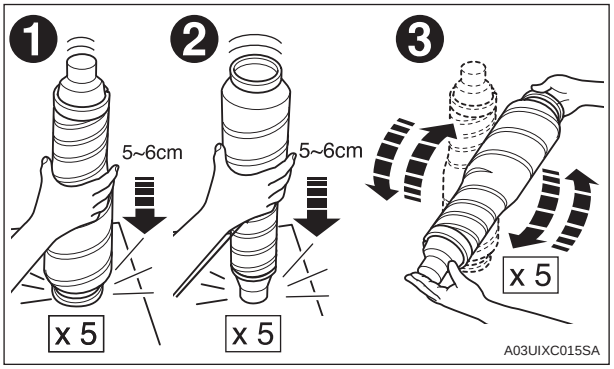
	Step
1.	Touch the “Return” key to return to the [Drum Peculiarity Adjustment Menu screen].
2.	[Drum Peculiarity Adjustment Menu screen] Touch the “Gamma Automatic Adjustment” key.
3.	Check the “0” and touch the “Start”.
4.	This process takes about 2 minutes and automatically stops with a completion message on the screen.

4. Color Regist auto adjustment

	Step
1.	Touch the “Return” key to return to the [Drum Peculiarity Adjustment Menu screen].
2.	Touch the “Close” key twice to return to the [Service mode menu screen].
3.	[Service Mode Menu screen] Touch the “Machine Adjustment”.
4.	[Machine Adjustment Menu screen] Touch the “Printer Adjustment”.
5.	Touch the “Color Registration Auto. Adj.”
6.	Touch the “Start”.
7.	This process takes about 1 minutes and 30 seconds and automatically stops with a completion message on the screen.

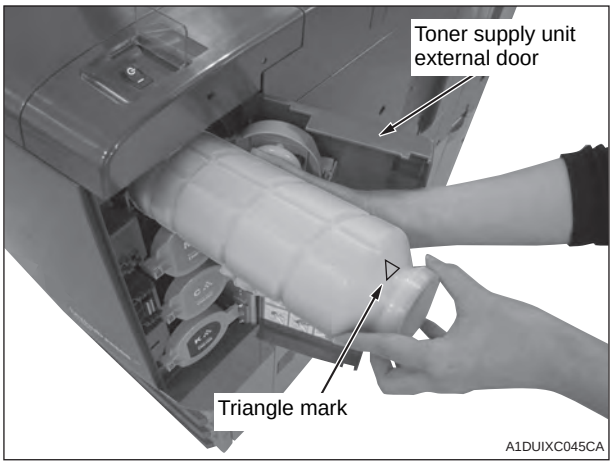
5. Set the toner bottles.

(1) Shake the toner bottle as shown in the figure below, and remove the cap.



(2) Open the toner supply unit external door on the right side of the machine.

(3) Open the toner supply unit interior door for the appropriate color, and push the toner bottle to be set, making sure the side with the triangle mark is on top.



(4) Close the toner supply unit internal door.

(5) Set the remaining three color bottles in the same manner as above.

(6) Close the toner supply unit external door.

(7) Turn OFF the sub power switch.

6. Various settings

(1) Time and Date setting

	Step
1.	Turn ON the Sub power switch.
2.	Press the [Utility/Counter] key.
3.	Touch the “Administrator Setting”.
4.	Touch the “System Setting”.
5.	Touch the “Date / Time Setting”.
6.	Set date and time using the numeric keypad on the screen. It cycles through [day/month/year/time] or [month/day/year/time] every time the “Set” is touched.
7.	Be sure to touch the “OK”. The date will be updated to the current date.
8.	Touch “Exit”.

(2) Setup Date Input

	Step
1.	Enter Service Mode. **Note:** •Refer to procedures in the Service Manual to enter into the Service Mode.
2.	[Service Mode Menu screen] Select “System Setting”.
3.	[System Setting Menu screen] Select “Setup Date Setting”.
4.	[Setting Date Setting Menu screen] Input the proper date using the numeric key-pad on the screen. It cycles through [day/month/year] or [month/day/year] every time the “Set” is touched.
5.	Be sure to touch the “OK”. The date will be updated to the current date.
6.	Leave the machine in [Service Mode Menu] (do not turn the power OFF).

(3) Telephone number setting

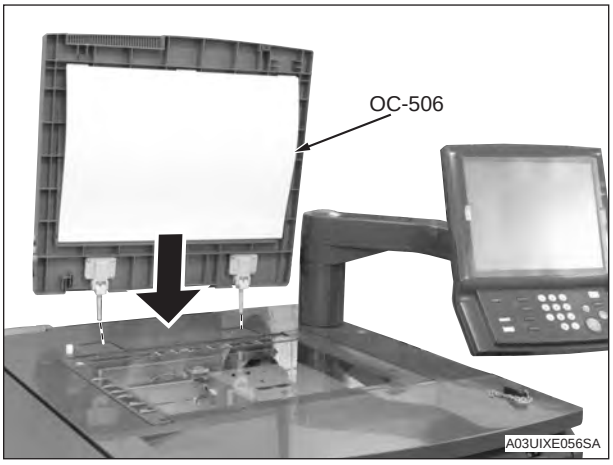
	Step
1.	[System Setting Menu screen] Select “Service Center TEL/FAX”.
2.	[Service Center TEL/FAX Setting Menu screen] Select “Service Center TEL(16)”.
3.	Input numbers using the numeric keypad on the screen.(16 digits)
4.	Select “Service Center FAX(16)”.
5.	Input numbers using the numeric keypad on the screen.(16 digits)
6.	Be sure to touch the “OK”.
7.	Leave the machine in [Service Mode Menu] (do not turn the power OFF).

(4) Enter ADF serial number.(If ADF is installed.)
You can find the 13-digit serialnumber on the bottom when you open the ADF.

Note:
When installing the optional DF-622, see the DF-622 installation procedure.

	Step
1.	[System Setting Menu screen] Select “Serial Number Setting”.
2.	Touch “ADF” to display the Serial number entry screen.
3.	Enter the serial number of the ADF and touch “OK”.(Use the “Shift” key to switch between upper case letters and lower case letters.)
4.	Serial number which is input in the serial number summary picture is verified.
5.	Turn OFF the Sub power switch.

7. Insert and install the OC-506 (optional) to the hinge hole on the top of the Machine.

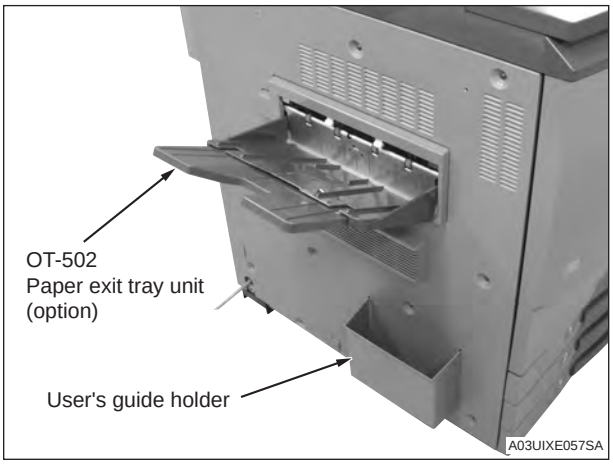


8. Install the OT-502(optional) on the left side of the machine.

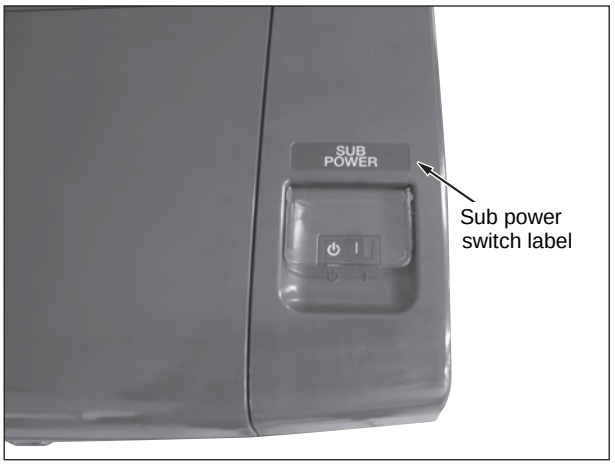
Note:
When installing the optional paper exit tray, see the OT-502 installation procedure.

9. Install the User’s guide holder on the left side of the machine.

Note:
The User’s guide holder can also be installed on the optional.



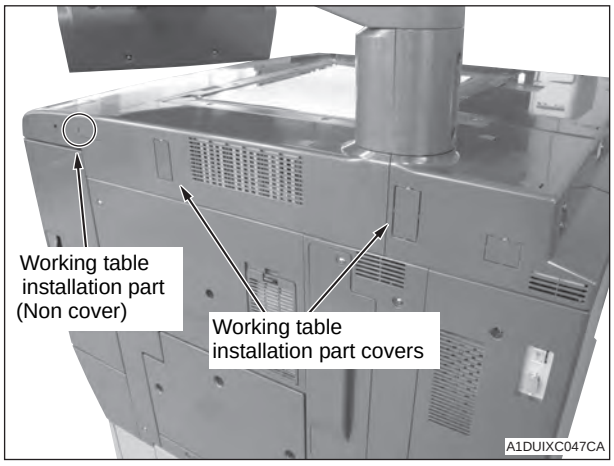
10. Put the sub power source label aligning it to the groove.



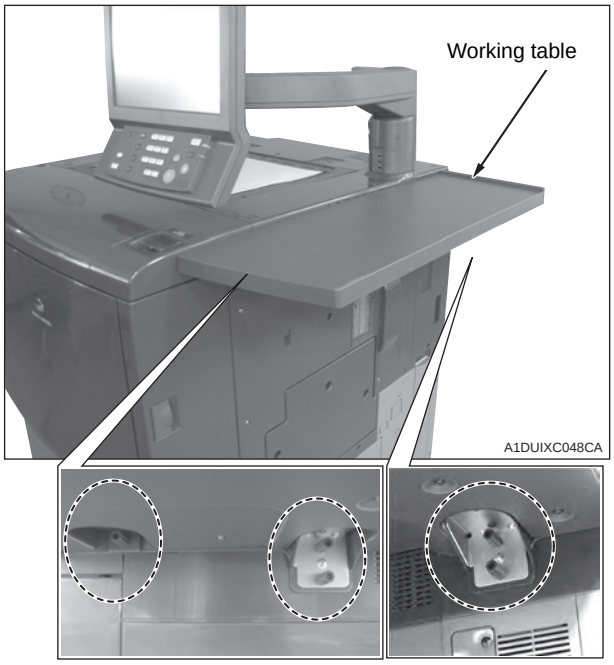
11. Install the working table(WT-508/optional). (not required when installing the PF-602.)
    (1) Use a wire cutter or other tool to snip the working table installation part covers on top of the machine's right side (2 places).

Note:

The working table is installed at three locations. There is no cover at one of these locations.



(2) Tighten the thumb screws (5 pieces) at three locations to mount the working table.



VI. Imaging Verification

Output an image to verify that output works correctly.

Note:

If it does not work correctly, conduct the adjustments in order to obtain correct image output by referring to the "ADJUSTMENT/SETTING" of the Service Manual.

VII. CS Remote Care

For the setting, refer to "ADJUSTMENT/SETTING" in the service manual.

VIII. Checking the ROM version with the security function

	Step
1.	Enter Service Mode. **Note:** Refer to procedures in the Service Manual to enter into the Service Mode.
2.	[Service Mode Menu screen] Touch "Firmware Version".
3.	Touch "Firmware Version".
4.	Check if the ROM version of the Image Control I1 is the latest one with the security function. A1DU0Y0-00I1-G00-10 (latest) A1DU0Y0-00I1-G00-15 **Note:** Also let client to check the ROM version that it must be the latest ones.
5.	Touch "Return" and "Close" to return to the [Service Mode Menu screen].

IX. Network Connection and Settings

[Connecting network cable]

1. Connect a network cable.
2. Check if the connector port LED lights (LED1 and LED 2) are lit.

   LED1 (top): Displays communication speed
   Orange (1Gbps)
   Green (100Mbps)
   OFF (10Mbps)

   LED2 (bottom): Displays the link state
   Lighting (Network is connected)
   Blinking (Data transfer state)
   OFF (Network is disconnected)

[IP address assignment]

Note:

User networks and the PC environment are usually managed by technical administrators. When doing the following setup, be sure to check with the person in charge to get approval and proceed under that person's supervision.

	Step
1.	Press the [Utility/Counter] key.
2.	Touch "Adminstrator Setting". **Note:** If an administrator password has been set already, enter the current password and touch "OK."
3.	Touch "Network Setting".
4.	On the screen that appears when "Machine NIC Setting" is touched, set the following items. • IP Address: IP address of the machine • Subnet Mask: subnet mask of network to be connected to • Gateway Address: IP address of the default gateway
5.	Touch "OK" to display the Network Setting screen.
6.	When the setup is completed, be sure to turn OFF then turn ON the Main and Sub power switches. (Otherwise the new settings will not be registered. When turning the Main and Sub power switches back ON, wait for 10 seconds or more after turning them OFF.)